20020607.ba v03_n347.bam.20020607

>From ???@??? Fri Jun 7 10:08:40 2002 -0500
Message-Id: <200206071508.g57F8Rlc008975@sco.theporch.com>
Date: Fri, 7 Jun 2002 10:08:09 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 3347

BOATANCHORS Digest 3347

Topics covered in this issue include:

1) Re: Do you Have Any Projects on the Bench?
by Al Klase <skywaves@bw.webex.net>
2) on Microphones
by brian.k.harris@philips.com
3) Need AN/GRC-9 Assistance
by Al Klase <skywaves@bw.webex.net>
4) earlier post
by brian.k.harris@philips.com
5) Re: on Microphones
by Bob Roehrig <broehrig@aurora.edu>
6) Re: Do you Have Any Projects on the Bench?
by Richard Post <postr@ohiou.edu>
7) D-10-4 SK
by john <johnmb@nc.rr.com>
8) RDR at HamCom tomorrow
by George Humphrey <kc5wbv@9plus.net>
9) Re: BA POWERS AND ICD
by Arden Allen <gumbear@pacbell.net>
10) Re: D.C. motor generator brush care
by Arden Allen <gumbear@pacbell.net>
11) Re: BA POWERS AND ICD
by Dan Arney <hankarn@pacbell.net>
12) Re: D.C. motor generator brush care
by jackiv@juno.com
13) RE: D.C. motor generator brush care
by Morris Odell <MorrisO@vifp.monash.edu.au>
14) Re: Do you Have Any Projects on the Bench?
by Mike Steussy - AE4R <hikrbikr@erols.com>
15) Re: Do you Have Any Projects on the Bench?
by "Tarheel6" <Tarheel6@email.msn.com>
16) New Eimac stuff F.S.
by Bob Roehrig <broehrig@aurora.edu>
17) Re: Do you Have Any Projects on the Bench?
by "John Page" <k4kwm@hotmail.com>
18) Re: D.C. motor generator brush care

    by scb@hiwaay.net
 19) Re: Electrolytic reforming
    by "Barry L. Ornitz" <ornitz@tricon.net>
 20) KFS Signal Reports
    by "Richard Dillman" <ddillman@igc.org>
 21) Re: Projects on Workbench
    by "Dennis L. Wade" <dlwade@pacbell.net>

Message-ID: <3CFFB95B.18E75091@bw.webex.net>
Date: Thu, 06 Jun 2002 15:34:51 -0400
From: Al Klase <skywaves@bw.webex.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Do you Have Any Projects on the Bench?
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Richard Post wrote:
....
> Current project is Halli SX-17 which is now working FB although the AVC
> decay still seems a bit slow. Am slowly coming to the conclusion that the
> behavior may be correct given the circuit.......

You might want to read the AVC article on my website at:
http://www.webex.net/~skywaves/commrx/agc.htm

Regards,
Al

--
Al Klase - N3FRQ
skywaves@bw.webex.net
Flemington, NJ 08822
Web Page: http://www.webex.net/~skywaves/home.htm

From: brian.k.harris@philips.com
Subject: on Microphones
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <OFF2FD0771.9A45A58A-ON88256BD0.006B2110@diamond.philips.com>
Date: Thu, 6 Jun 2002 15:00:18 -0500
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

The relationship of microphones and human voices likens that of loudspeakers and human ears. Our voices are at least as different as what we, as individuals, prefer to hear. Just as one loudspeaker may sound wonderful to me and not to you, a particular microphone may sound great with your voice but like the proverbial tin can/string phone with mine. Include the differences in speech amplifiers, mechanical filters, modulation transformers and other elements that affect the frequency response of a given transmitter's audio (even of the same make/model) and you have an unsolvable equation.

The good news is that most mic elements are relatively cheap and easily traded if they don't happen to suit your voice. Additionally, experimenting with them is fun, at least for many of us. Having several dead D-104 elements, I'm eager to try a few of the alternatives mentioned earlier but not until I finish the current restoration of a Shure 55S and a very early (spring mounted element) Shure 55.

Very 73 to all,

Brian K. Harris, Senior Field Application Engineer, WA5UEK

Philips Semiconductors
2140 Lake Park Blvd. Suite 200
Richardson, Texas 75080 USA
Direct 972-705-2484
Fax   972-480-9617
Cell   214-763-5977

EMAIL brian.k.harris@philips.com

Message-ID: <3CFFBE3D.E8EFC89A@bw.webex.net>
Date: Thu, 06 Jun 2002 15:55:41 -0400
From: Al Klase <skywaves@bw.webex.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Need AN/GRC-9 Assistance
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gentlemen,

Can someone scan the transmitter voltage/resistance charts for me? My manual is AWOL, and I'm working solely from the schematic in the case.

This set was working FB about 2 years ago. Now I'm not getting enough grid drive to the 2E22 to hold in K102A. This relay apparently removes the screen-grid voltage from the final in the absence of grid drive. It does work, just barely, on Band-3. Gross things like plate and filament voltages seem ok. There is RF grid drive, just not enough.

Any help appreciated.

73,
Al

--
Al Klase - N3FRQ
skywaves@bw.webex.net
Flemington, NJ 08822
Web Page: http://www.webex.net/~skywaves/home.htm

From: brian.k.harris@philips.com
Subject: earlier post
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <OF12E47B72.74E308F6-ON88256BD0.006EA597@diamond.philips.com>
Date: Thu, 6 Jun 2002 15:10:21 -0500
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

For those scratching your heads and wondering if you missed something, you didn't. My microphone post was intended for the CCA list. Old habits are hard to break.

Brian K. Harris, Senior Field Application Engineer

Philips Semiconductors
2140 Lake Park Blvd. Suite 200
Richardson, Texas 75080 USA
Direct 972-705-2484
Fax 972-480-9617
Cell 214-763-5977

EMAIL brian.k.harris@philips.com

Date: Thu, 6 Jun 2002 16:07:00 -0500 (CDT)
From: Bob Roehrig <broehrig@aurora.edu>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: on Microphones
Message-ID: <Pine.OSF.4.43.0206061604590.32093-100000@mail.aurora.edu>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 6 Jun 2002 brian.k.harris@philips.com wrote:

> The relationship of microphones and human voices likens that of
> loudspeakers and human ears.
>
> The good news is that most mic elements are relatively cheap and easily
> traded if they don't happen to suit your voice. Additionally,
> experimenting with them is fun, at least for many of us.

Amazing what you can do with a cheap electret element.

Having several

> dead D-104 elements, I'm eager to try a few of the alternatives
> mentioned earlier but not until I finish the current restoration of a
> Shure 55S and a very early (spring mounted element) Shure 55.

Nice mics - have those myself. I cured my audio problems by inserting
a graphic equalizer in the mic circuit. Can make most any mic sound good.

73   Bob Roehrig   K9EUI
Aurora University Telecom/IS dept.
630-844-4898   broehrig@aurora.edu

Message-Id: <v03007807b925801c08d5@[132.235.46.182]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Thu, 6 Jun 2002 17:11:55 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Richard Post <postr@ohiou.edu>
Subject: Re: Do you Have Any Projects on the Bench?

Hi Al,

Have read your article before and have done troubleshooting on a variety of
AVC/AGC stages. The problem in THIS case is I wish the caps were indeed a
bit leaky to more quickly bring the stages back to higher gain. The AGC
attack and control level is excellent and quick. The local stations (high
AVC control voltage) sound superb in quality, but when I tune off-station,
the decay to background noise level is relatively slow. It's as if the
caps hold that voltage a few seconds too long. The resistors are on the
money. Will keep thinking and digging but have no desire to change circuit
parameters.

Tnx es 73,

Rich KB8TAD
>
>>Richard Post wrote:
>>........
>>> Current project is Halli SX-17 which is now working FB although the AVC
>>> decay still seems a bit slow. Am slowly coming to the conclusion that the
>>> behavior may be correct given the circuit.......
>>
>>You might want to read the AVC article on my website at:
>>http://www.webex.net/~skywaves/commrx/agc.htm
>>

Message-Id: <3.0.3.32.20020606174420.006961dc@pop-server.nc.rr.com>
Date: Thu, 06 Jun 2002 17:44:20 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: john <johnmb@nc.rr.com>
Subject: D-10-4 SK
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

A note from the company who bought Astatic (omnitronicsllc)
indicates that the D-104 is DOA.

Sad to see that go. There's few things (other than Vibroplexi) who've
had as long a run! Glad I hung on to my gaggle of 'em while they
were still "producted"...
73
John

John
the handheld D104 is being producted but not the stand D104. I hope this
helps you out.
Thank you
______<snip>

-----Original Message-----
From: john [mailto:johnmb@nc.rr.com]
Sent: Wednesday, June 05, 2002 6:15 PM
To: cservice@omnitronicsllc.com
Subject: D-104

Is the D104 still being produced, or has it been discontinued?
Thank you!
John

Message-Id: <5.1.0.14.0.20020606171040.0286dec0@9plus.net>
Date: Thu, 06 Jun 2002 17:11:53 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: George Humphrey <kc5wbv@9plus.net>
Subject: RDR at HamCom tomorrow
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Guys,

Just wanted to let you know I will have a few mil things at HamCom
tomorrow, including a nice RDR in a green case.

73 de George
KC5WBV

Date: Thu, 06 Jun 2002 14:45:10 -0700
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: BA POWERS AND ICD
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0GXB00L6D43RMZ@mta7.pltn13.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

'VOL;

> ....Last week I had an ICD implanted in my chest. I need to know if
there are any
> problems running the BA's with this. ....

I was thinking on reading your posting that you should call the manufacturer. Glad to read Al Parker's comments. I met Al a few years ago so I know his works (hi!). Having worked over ten years in medical electronics I can assure you the designers of life support electronics don't miss many tricks. The FDA is breathing down their necks all of the time and that gives them encouragement (at least some of our tax dollars find a good use). A life support device is designed to recover automatically from "incidents" such as the effect of RF fields. If the ICD gets its brains scrambled it restarts itself and resumes doing what a robust memory system tells it to. About the only event that could cause a lasting failure would be a lead slug passing through the ICD. Be careful when when dualing!

Arden Allen   KB6NAX   Vallejo, CA   gumbear@pacbell.net

Date: Thu, 06 Jun 2002 16:04:50 -0700
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: D.C. motor generator brush care
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0GXB00L6G43TMZ@mta7.pltn13.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi Ed;

> ....
> He warned me that new brushes should be worked in
> using sandpaper so that edge of the brush touching the commutator
> is radiused the same as the commutator. ....

And I'm warning you NOT to use sandpaper or any other kind of abrasive paper to *re-seat* a brush/commutator combination. Why how so cuz? As a brush and commutator wear together fine grooves are formed in the commutator along the brush's path and also wear may be uneven in the axial direction causing a tilt to the wear path. Their are two ways out of this. Put the rotor in a lathe and turn the commutator down and reslot the segments, which must be done for a badly grooved commutator, or for a commutator with ordinary wear, the brush's surface is made to conform to the convolutions of the commutator by using a BRUSH SEATING STONE. These stones, available from electric motor repair tool suppliers, are sometimes referred to as 'chalk stones'. They are a composition of a binder and an appropriate electrically neutral abrasive, probably diatomaceous earth (diatom skeletons). The stone is applied to the commutator while the dynamotor is normally operating. The powdery abrasive that sloughs off of the stone is carried through the brush/commutator interface and cuts away both copper and brush to produce contact conformity over the surface area of the brush. The brush's surface now follows the convolutions of the commutator, something that sandpaper cannot cause to happen. Here is a source for brush seating stones:

<http://www.mscdirect.com/PDF/PDF02/3955.pdf>

The sandpaper trick produces a bright and shiny commutator which, if enough of the 'sand' comes off, will work similarly as a seating stone. But good conformity is not likely and more copper will be stripped off than 10,000 hours of motor operation would cause.

Arden Allen   KB6NAX   Vallejo, CA   gumbear@pacbell.net

Date: Thu, 06 Jun 2002 16:34:46 -0700
From: Dan Arney <hankarn@pacbell.net>
Subject: Re: BA POWERS AND ICD
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Message-id: <3CFFF196.80209@pacbell.net>
MIME-version: 1.0
Content-type: text/plain; format=flowed; charset=us-ascii
Content-transfer-encoding: 7bit

dualing?!!!
Hank :>))

To: Old Tube Radios <boatanchors@theporch.com>
Cc: boatanchors@theporch.com
Date: Thu, 6 Jun 2002 18:34:17 -0500
Subject: Re: D.C. motor generator brush care
Message-ID: <20020606.183418.4044.0.jackiv@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
From: jackiv@juno.com

Arden, you saved me a response. The only way to use sandpaper on a brush/comm interface is to lay the paper on the comm, paper side down then with the brush on the abrasive side rotate the amature by hand, with the sand paper on the comm, a gentle 90degree for and aft motion is all that is needed, note--- this applies only to new brushes. Used brushes to be seated with an"ideal"seating stone. There are many grades and sizes so the 1/2" by 3/4" fine grade is the best for our BA commutators. (I used to work in a motor/generator shop in So Dakota about 50 some years ago!
old jack (yup real old)

On Thu, 06 Jun 2002 16:04:50 -0700 Arden Allen <gumbear@pacbell.net> writes:
> Hi Ed;
>
> > ....
> > He warned me that new brushes should be worked in
> > using sandpaper so that edge of the brush touching the commutator
> > is radiused the same as the commutator. ....
>
> And I'm warning you NOT to use sandpaper or any other kind of
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>
> <http://www.mscdirect.com/PDF/PDF02/3955.pdf>
>
> The sandpaper trick produces a bright and shiny commutator which, if
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> of the 'sand' comes off, will work similarly as a seating stone.
> But good
> conformity is not likely and more copper will be stripped off than
> 10,000
> hours of motor operation would cause.
>
> Arden Allen   KB6NAX   Vallejo, CA   gumbear@pacbell.net
>
>

>
>
>

Message-ID:
<07A064EA6042D4118A62009027F70E77181FE2@nt_exchange.vifp.monash.edu.au>
From: Morris Odell <MorrisO@vifp.monash.edu.au>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: D.C. motor generator brush care
Date: Fri, 7 Jun 2002 10:05:38 +1000
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"

Arden wrote:

> And I'm warning you NOT to use sandpaper
<snip>
> using a BRUSH SEATING STONE

Also known here as a com stone. I just wanted to endorse those remarks. Using "sandpaper" on a commutator is not a Real Good Idea as you have no control over what happens to the abrasive particles. They can find their way into all sorts of nasty places such as bearings....

Morris

>

Message-ID: <3CFFF7C5.E0504014@erols.com>
Date: Thu, 06 Jun 2002 20:01:10 -0400
From: Mike Steussy - AE4R <hikrbikr@erols.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Do you Have Any Projects on the Bench?
Content-Type: text/plain; charset=iso-8859-1; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: 8bit

Ahoy! Iíve enjoyed reading what others have written on this thread. We ought to run it at least semi-annually, then salute those who have restored their vintage rigs to service since the previous round. My workbench and service area has the following items open and being worked on, as time permits and mood strikes me.

1. Drake TX-4B (needs some alignment, possibly neutralizing, otherwise ready to roll)
2. Viking Valiant (has problem in final that SHOULD be easy to find and fix)
3. Viking Ranger (very low modulation level, otherwise works)
4. Hammarlund HQ-180 (works fine except on triple-conversion bands)
5. Old homebrew 6DQ6 xmtr (candidate for reconstruction as 829B 60m CW rig)

Hallicrafters SX-42, Heathkit HW-16, RME-4300, and WRL LA-1 amplifier (bare chassis being rebuilt as single 811A amp) are also on and off the bench. A good many other exciting and wonderful rigs are in the cue. Thanks to all members who have kindly helped me with these and other projects.

73, Mike Steussy AE4R
Vienna VA

Message-ID: <011f01c20dc6$b3d40ee0$57b04cd8@default>
From: "Tarheel6" <Tarheel6@email.msn.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Do you Have Any Projects on the Bench?
Date: Thu, 6 Jun 2002 21:57:36 -0400

Hi Gary...
Coupla things: After reading the other emails about how cluttered up with radio's their benches are, I can now quit the intensive psycho-therapy I've been going thru for the last 2 years to rid myself of the guilt I've felt from all the nearly done, half-done, just-started, about-to-be-started, and thinking-about-getting-started projects that stare at me every day and shout at me as I rush by hoping that they won't notice that I didn't stop to work on THEIR project. Whew .... what a relief. There are A LOT of people out there who are in the same shape I'm in. So ... pretty much I'm concluding that I'm normal.   That messy workbenches full of unfinished projects are NORMAL. This is great!

Now for the latest, top 10 projects:
RA-42 Power Supply -- Remove PCB stuff that has leaked from a capacitor. Thanks to the list members, I now know exactly what to do and not do!

3-Band BC/SW RCA radio -- Replace burned-out transformer. This is GREAT radio to listen to foreign BC on.

BC-946 -- Ran terrifically well for 2 days and then proceeded to hemorrage hum profusely. Diagnose and Repair.

NC-183 -- Ran terrifically for 2 minutes, and then promptly died. Problem traced to the first AF stage. Repair.

50 R-390A RF decks -- purchased at Shelby. Clean up and sell.

T-20 ARC-5 -- New arrival. Has a very nice homebrew plug-in crystal oscillator stage. But has a VERY weird replacement plug at the rear. Replace plug with an octal plug.

Power Supply for ARC-5 TX's. New arrival. Powered up and thanks to current limiting resistors the way-dead caps didn't ruin the diode stack. Replace caps and have fun.

Another ARC-5 TX. Freq. Tuning knob is loose on shaft;allen screw adjust will not move. Need to remove knob and replace.

About 10 R-390A audio decks with various problems from burnt out filter chokes, to missing af xfmrs, to missing caps and resistors. Replace as needed.

About 10 R-390A receivers just waiting for minor tweaking, polish, and final alignments. Find time and a cool place to do the final work; summer heat, though, makes it awfully difficult to work in my storage unit on these radios.

After this list of 10 projects, I have another similar list with even more projects to deal with. Life is tough ...... but hey it's fun!
73's,
-tom

Date: Thu, 6 Jun 2002 21:29:39 -0500 (CDT)
From: Bob Roehrig <broehrig@aurora.edu>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: New Eimac stuff F.S.
Message-ID: <Pine.OSF.4.43.0206062124330.100430-100000@mail.aurora.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Cleaning out the shop, I found the following NEW Eimac parts (mostly sockets). If there's any interest, contact me direct.

One - SK602
One - SK630
Two - SK640

(Not sure what these are for - perhaps something in the 4XC250 family)

One - SK800A This job is about 5 inches in diameter - not sure what it's
for either.

Two - 2C39A tubes

73   Bob Roehrig   K9EUI
Aurora University Telecom/IS dept.
630-844-4898   broehrig@aurora.edu

From: "John Page" <k4kwm@hotmail.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Do you Have Any Projects on the Bench?
Date: Fri, 07 Jun 2002 02:46:34 +0000
Mime-Version: 1.0
Content-Type: text/plain; format=flowed
Message-ID: <F190ICaNZmA1Hy75WGt0001b705@hotmail.com>

Wow, a storage unit with electricity. I am really jealous now :-\ JOhn

. Find time and a cool place to do the final work; summer heat,
>though, makes it awfully difficult to work in my storage unit on these
>radios.
>
>After this list of 10 projects, I have another similar list with even more
>projects to deal with. Life is tough ...... but hey it's fun!
>73's,
>-tom
>
>

____
MSN Photos is the easiest way to share and print your photos:
http://photos.msn.com/support/worldwide.aspx

From: scb@hiwaay.net
To: Old Tube Radios <boatanchors@theporch.com>
Date: Thu, 6 Jun 2002 22:26:27 -0500
MIME-Version: 1.0
Subject: Re: D.C. motor generator brush care
CC: boatanchors@theporch.com

Message-ID: <3CFFE193.15502.132C7048@localhost>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 6 Jun 2002 at 14:06, Edward J Knobloch wrote:

> He said something about iron oxide (rouge) paper, but I no longer
> remember if it's in the good or not-good category. It's probably
> not-good, since it would be harder to clean out of the machine due to
> magnetic attraction.

Hi Ed;
I recall that being called crocus cloth and it was suppposed to be THE item of preference for finish-polishing a resurfaced commutator.

Rgds; Steve Bringhurst

Message-ID: <014d01c20de4$540ae560$735262d8@naxs.com>
From: "Barry L. Ornitz" <ornitz@tricon.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Electrolytic reforming
Date: Fri, 7 Jun 2002 01:25:29 -0400
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I would to add a little to what Arden said about reforming electrolytics.

An unused capacitor over a period of time will hydrolyze the anode oxide layer. This is what causes the increased leakage and loss of voltage rating.   Theoretically, if the process were uniform over the entire anode surface, the capacitance would INCREASE as the voltage rating decreased. From a practical standpoint, however, only certain areas of the film are destroyed quickly, and it is these areas that drop the overall voltage rating being the weakest points. So the actual capacitance may increase very little.

But it should never decrease. If it does, it is usually an indication of damage within the capacitor such as loss of electrolyte by previous overheating or the corrosion of internal connections. Throw these away. Modern electrolytic capacitors maintain their internal moisture quite well unless stored in exceptionally dry conditions. However, the older wet electrolytics found before 1940 can dry out rather easily. These stand a chance of being reformed after the addition of a small amount of weak boric acid solution in distilled water.

When reforming, you need to take the capacitor above its rated working voltage, but less than its rated surge voltage. Typically you would let the capacitor "soak" for at east five minutes at its rated voltage before measuring leakage. There are some rules of thumb for leakage current around, and many manufacturers publish this for certain units. Remember too than leakage current increases greatly with temperature.

Reforming removes water from the electrolyte and releases hydrogen. Therefore the reforming process should be a slow one to allow the hydrogen to vent and to allow additional moisture from the air to replenish the moisture within the capacitor.

73, Barry   WA4VZQ   ornitz@tricon.net

From: "Richard Dillman" <ddillman@igc.org>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Thu, 6 Jun 2002 22:41:36 -0700
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: KFS Signal Reports
Message-ID: <3CFFE520.22266.C9006B@localhost>

Those submitting a signal report for this Saturday's test of KFS on 17026.0kc are requested to send your report to:

radiomarine@yahoogroups.com

This will assure that your report will reach all members of the transmitting department.

Thanks and 73,

RD

Richard Dillman, W6AWO
Member of the Maritime Radio Historical Society
http://www.radiomarine.org
Collector of Heavy Metal:
Harleys, Willys and Radios over 100lbs.

Date: Fri, 07 Jun 2002 08:00:30 -0700

From: "Dennis L. Wade" <dlwade@pacbell.net>
Subject: Re: Projects on Workbench
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <3D00681E.4509.293985C3@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Hello Everyone,

What a wonderful thread this has been. I've really enjoyed reading about everyone elses project list. Its made me feel so much more "normal"...I'm not the only one seriously behind...lol

And now..the list from KG6ZI:

1. The Workbench. My new bride and I bought a house last fall, and got married in the back yard. Its got an oversized garage plus a carport for actually storing the vehicles so I've got some space to work with. I think I'll even have room for a "clean" bench on which to do troubleshooting and testing, and a more "dirty" bench for drilling, grinding, and other messy things.

2. R-390A with factory additions for SSB. It works, and probably not too bad, so it may not take a WHOLE lot of effort. Its biggest problem is neglect. Its never been aligned, cleaned/lubed or otherwise gone over. Lots of good stuff over on the '390 reflector will be put to use. Bought a re-cap kit, but now there seems to be some discussion about if a wholesale recap is automatically required, or only certain high profile (e.g. filter dc blocking) caps need attention.

3. Operating position. I need to put up antennas and put together some sort of operating position for ham radio. I'm itching to get back on HF CW. Antenna tuners are part of this work.

4. RME-45. This is my $20 garage sale special. It works, but has consistently fallen to the bottom of the work list. I'd still like to get to it, but I'm considering letting it go to someone with a shorter project list.

5. Test equipment. A TEK 545 in good electrical shape, but needs cleaning and some new trim (need a probe for it though), A couple of Measurements sig gens, a TS-497C sig gen HP audio gen (204CD), VTVM, RF voltmeter all need checkout and if necessary, calibration (farmed out of course).

...and several other projects that don't relate directly to

BA's, but overall go into the mix. Ah...if only for time, time and more time....

Dennis

"If you can remain calm, you just don't have all the facts"

Dennis Wade
KG6ZI
Carmichael, CA

End of BOATANCHORS Digest 3347
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